

# ProGibb® LV PLUS

TECHNICAL  
UPDATE  
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## *We change the game*

For the 2019-20 table grape and citrus season, Sumitomo Chemical will have a limited quantity of a new formulation of ProGibb available. The new product is ProGibb LV Plus, an advanced liquid formulation of ProGibb delivering a number of significant advantages.

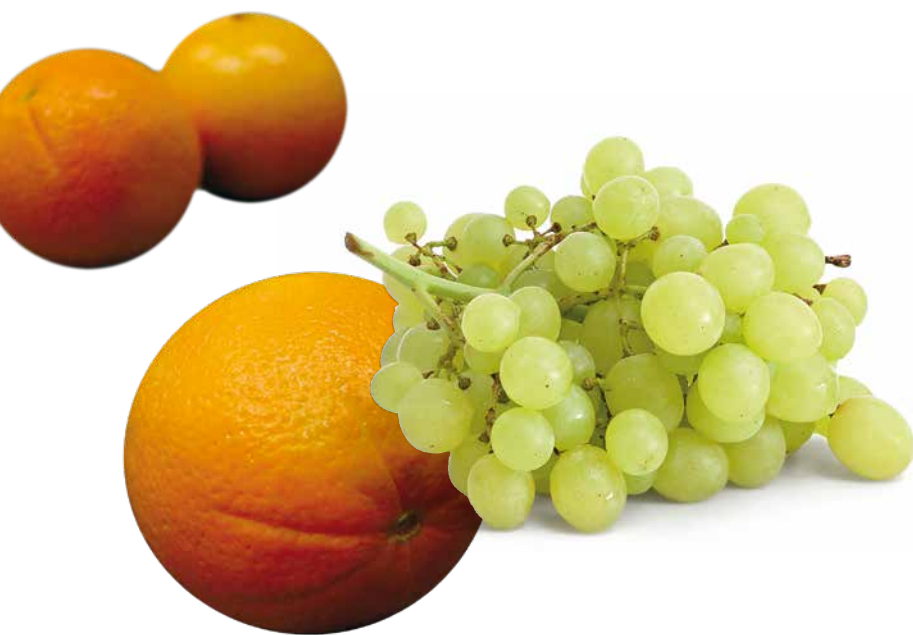
The US EPA has set limits on volatile organic compound (VOC) emissions levels. VOC's are found in some liquid formulations such as ProGibb 10% GA. Valent Biosciences (a subsidiary of Sumitomo Chemical) developed a liquid formulation of ProGibb that would meet these low VOC standards, and ProGibb LV Plus was born.

While VOC reduction is not an issue in the Australian market, the advanced solvent formulation developed for ProGibb LV Plus does offer some significant benefits over other liquid Gibberellic Acid formulations.

### These benefits include:

- Non Dangerous Goods (DG) classification as the formulation is non-flammable, making storage and transport easier.
- Organic status. ProGibb LV Plus, like ProGibb SG, is now an allowed organic input in Australia.
- ProGibb LV Plus has the same concentration of Gibberellic Acid as ProGibb 10% GA, so application rates remain the same.
- The advanced formulation package in ProGibb LV Plus was found to equal the performance of the formulation package in RaLex® – the specialist Gibberellic Acid formulation developed for thinning in stone fruit and citrus. This means the RaLex label directions have been added to the ProGibb LV label.
- ProGibb LV Plus will replace ProGibb 10% GA and RaLex in the coming seasons.

## *ProGibb is The World's Leading Gibberellic Acid*



## Directions for use.

Crop	Rate/100 L	Critical Comments
CITRUS		Apply in a minimum volume of 5,000 L/ha to ensure thorough coverage of fruit. <b>DO NOT</b> use where blemish is a problem. For optimum results adjust the spray tank solution to pH 4.0-4.5 (see mixing instructions).
Navel and Valencia Oranges	10-20 mL	<b>For reduction in Creasing:</b> Prior to applying ProGibb, remove all previous season Valencia oranges. Apply ProGibb when Navel/Valencia oranges are between 30-50 mm fruit size or golf-ball stage (generally January-February). Rates lower than 20 mL: <ul style="list-style-type: none"><li>• should be used when it is anticipated that fruit will be harvested for early markets;</li><li>• may be used on applications to late navel selections.</li></ul>
Navel Oranges	10 mL	To delay rind ageing for late marketing (or those which will be stored for more than 2 weeks prior to sale) and reduce rind blemish and for longer storage life, apply when oranges turn from green to silver (colour break). If fruit drop is a problem, then apply a stop-drop spray. ProGibb is compatible with stop-drop sprays containing 2,4-D sodium salt. Use the 2,4-D at 10 ppm.
Mandarins		To delay rind ageing for late marketing and reducing rind blemish apply at three-quarters to full colour.
Grapefruit		To delay rind ageing, apply the spray when grapefruit turn from green to silver (colour break) for grapefruit to be harvested up to mid-November; or apply the spray in mid-June for grapefruit to be harvested in December or January.
Lemons		To delay rind ageing, apply 4 to 6 weeks ahead of maturity of fruit.
GRAPES		
Currants – dried fruit	1 mL + 100ppm Cycocel	<b>To achieve berry thinning:</b> Apply a single, combined application ( <b>commonly used in NSW and SA</b> ) at 100% capfall. Ensure thorough coverage of bunches.
	100ppm Cycocel followed by 1 mL ProGibb LV	<b>To achieve berry thinning: Split Application (commonly used in Vic):</b> (a) Apply Cycocel 7 days after bunch droop. (b) Apply ProGibb LV at 80-100% capfall.
	200ppm Cycocel followed by 1 mL ProGibb LV	Use the 200ppm rate of Cycocel on vigorous vines.
	300ppm Cycocel followed by 1 mL ProGibb LV	Use the 300ppm rate of Cycocel on excessively vigorous Carina vines only. Ensure thorough coverage of bunches.
Sultanas – dried fruit	10 mL	<b>To achieve berry thinning:</b> Apply when bloom or blossom is at 100% capfall stage (full flowering).
Sultanas – fresh fruit		Prune according to vigour of the vine - avoid exceeding 8 canes (except in special circumstances). Commence thinning late October. Thin bunches to leave one bunch per shoot (the largest). Do not exceed 30 bunches per vine. Bunch trimming should be carried out before fruit set to reduce the incidence of tight bunches. For adequate coverage of table grapes apply product in a minimum volume of 2250 L/ha directed at the bunch area.
	10 mL	<b>To achieve bunch elongation (stretch):</b> Apply when bunches are half to two-thirds of their final length (when bunches are between 10-15cm in length). This application is usually applied 10-14 days before the first sign of bloom. <b>To achieve thinning, two separate applications of 10 mL within the same season are required:</b> Apply first application of 10 mL at 40% cap fall. Apply second application of 10 mL at 80% cap fall (usually 2-3 days later).
	30 mL	<b>To achieve increase in berry size, two separate applications of 30 mL within the same season are required:</b> Apply first application of 30 mL when smallest berry size is 4mm and larger berries up to 6mm (berry shatter may be incomplete at this size). Apply second application of 30 mL 5 to 7 days later. Trim bunches within two weeks of shatter to leave 3 to 4 shoulder sprigs. All spray timing stages should be judged on the top part of the bunch, as the bottom is removed at trimming.
Early Madeleine	20 mL	<b>To achieve increase in berry size:</b> Apply when berries reach 4mm in diameter. Excessively vigorous vines should be cinctured 3-5 days before treatment with this product.
Perlette	12 mL	<b>To achieve thinning:</b> Apply at 70% capfall.
	20 mL	<b>To achieve increase in berry size:</b> Following the 12 mL application for thinning, apply the 20 mL application, when berries reach 4-5mm in diameter. Trim bunches as required.
Flame Seedless	10 mL	<b>To achieve thinning:</b> Apply at 70% capfall.
	30 mL	<b>To achieve increase in berry size, two separate applications of 30 mL within the same season are required:</b> Apply first application of 30 mL when berries have reached 7-9mm in diameter. Apply second application of 30 mL when berries have reached 9-10mm in diameter.

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